

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number
WO 2005/043488 A1

(51) International Patent Classification⁷: **G09B 27/08**

(21) International Application Number:
PCT/US2004/034289

(22) International Filing Date: 18 October 2004 (18.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/691,893 23 October 2003 (23.10.2003) US
10/867,263 14 June 2004 (14.06.2004) US
60/589,366 20 July 2004 (20.07.2004) US

(71) Applicant and

(72) Inventor: **BLUM, Alvin, S.** [US/US]; 2350 Del Mar Place, Fort Lauderdale, FL 33301 (US).

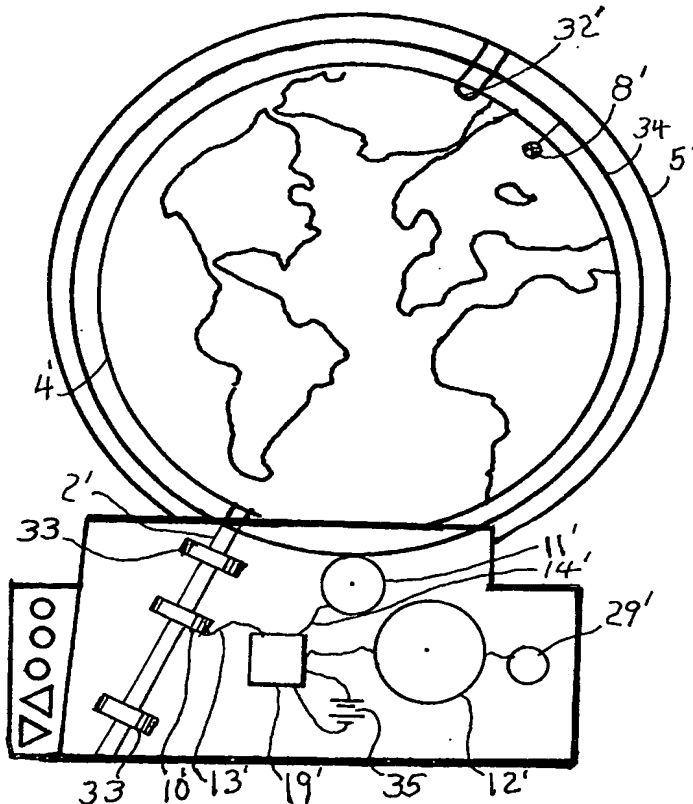
(74) Agent: **BLUM, Alvin, S.**; 2350 Del Mar Place, Fort Lauderdale, FL 33301 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: **GLOBE WITH MAP DETAIL DISPLAY**



(57) Abstract: A spherical world globe (4') with geographic features imprinted on its surface rotates on an axis (2') through the poles. The sphere is not large enough to carry legible details of all areas. Greater details are stored in a memory (12') such as a compact disc. An indicator (8') on the sphere is positionable north and south or the sphere is positionable relative to a fixed indicator to position the indicator along a north/south meridian. A sensor (11') senses the north/south position of the indicator and sends a signal to a control circuit (19) connected to the memory. Another sensor (10') connected to the rotation of the sphere sends an east/west signal to the control circuit. Using the two signals, the circuit finds the area corresponding to the area selected on the sphere in the memory and displays it on a display in greater detail than is visible on the sphere.



Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.